

Abstract of the Disclosure

The present invention is directed to a device and a method for detecting biomolecules in a tissue section or other two-dimensional sample by creating “carbon
5 copies” of the biomolecules eluted from the sample and visualizing the biomolecules on the copies using antibodies or DNA probes having specific affinity for the biomolecules of interest. Thin membranes in a stacked or layered configuration are applied to the sample, such as a tissue section, and reagents and reaction conditions are provided so that the biomolecules are eluted from the sample and transferred onto each
10 of the stacked membranes thereby producing multiple replicas of the biomolecular content of the sample.